

Does Not Comply  
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OIIPE

## RAW SEQUENCE LISTING

DATE: 06/25/2002

PATENT APPLICATION: US/09/957,458

TIME: 10:04:36

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4 Yu-Hua Una  
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C--> 12 <141> CURRENT FILING DATE: 2002-06-13  
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## ERRORED SEQUENCES

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370 atataaaatt ttaagtgtg taatgtgtta aactactgat tctaattgtt tgtgtatttt 4140
371 agattccaac ctatggaact gatgaatggg agcagtgggt gaatgccttt aatgaggaaa 4200
372 acctgttttg ctcaagaaga atgccatcta gtgatgatga ggctactgct gactctcaac 4260
373 attctactcc tccaaaaaag aagagaaagg tagaagacc caaggacttt ccttcagaat 4320
374 tgctaagttt tttgagtcac gctgtgttta gtaatagaac tcttgcttgc tttgctattt 4380
375 acaccacaaa ggaaaaagct gcaactgctat acaagaaaat tatggaaaaa tattctgtaa 4440
376 cctttataag taggcataac agttataatc ataacatact gttttttctt actccacaca 4500
377 ggcatagagt gtctgctatt aataactatg ctcaaaaatt gtgtaccttt agctttttta 4560
378 tttgtaaagg ggttaataag gaatatttga tgtatagtgc cttgactaga gatcataatc 4620
379 agccatacca catttgtaga ggttttactt gctttaaaaa acctcccaca cctccccctg 4680
380 aacctgaaac ataaaatgaa tgcaattgtt gttgttaact tgtttattgc agcttataat 4740
381 ggttacaaat aaagcaatag catcacaat ttcacaaata aagcattttt ttcactgcat 4800
382 tctagtgtgt gtttgtccaa actcatcaat gtatcttata atgtctggat ccccggttcc 4860
383 ctatagttag tcgtattagc ttggcgtaat catggtcata gctgtttcct gtgtgaaatt 4920
384 gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg 4980
385 gtgcctaagt agtgagctaa ctacatttaa ttgcgttgcg ctcaactgcc gctttccagt 5040

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/957,458

DATE: 06/25/2002

TIME: 10:04:36

Input Set : A:\P66567US0-seqlist.txt

Output Set: N:\CRF3\06252002\I957458.raw

```

386 cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg agaggcggtt 5100
387 tgcgtattgg gcgctcttcc gcttccctgc tcaactgactc gctgcgctcg gtcgttcggc 5160
388 tgcggcgagc ggtatcagct cactcaaagg cggtaatacg gttatccaca gaatcagggg 5220
389 ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa ggccaggaac cgtaaaaagg 5280
390 ccgcgttgct ggcgtttttc cataggctcc gccccctga cgagcatcac aaaaatcgac 5340
391 gctcaagtca gaggtggcga aaccgcagc gactataaag ataccaggcg tttccccctg 5400
392 gaagctccct cgtgcgctct cctgttccga cctgcgcgt taccggatac ctgtccgcct 5460
393 ttctcccttc gggaagcgtg gcgctttctc aatgctcacg ctgtagggtat ctcagttcgg 5520
394 tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc cccggttcag cccgaccgct 5580
395 gcgccttata cggtaactat cgtcttgagt ccaaccggtt aagacacgac ttatcgccac 5640
396 tggcagcagc cactggtaac aggattagca gagecaggta tgtaggcggt gctacagagt 5700
397 tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcgctc 5760
398 tgctgaagcc agttaccttc ggaaaaagag ttggtagctc ttgatccggc aaacaaacca 5820
399 ccgctggtag cgggtggtttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat 5880
400 ctcaagaaga tcctttgatc tttctacgg ggtctgacgc tcagtggaac gaaaactcac 5940
401 gttaagggat tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaat 6000
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403 aatgcttaat cagtgaggca cctatctcag cgatctgtct atttcgttca tccatagttg 6120
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406 cagccggaag ggccgagcgc agaagtggc ctgcaacttt atccgcctcc atccagtcta 6300
407 ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg cgcaacgttg 6360
408 ttgccattgc tacaggcatc gtggtgtcac gctcgtggtt tggtaggct tcattcagct 6420
409 ccggttccca acgatcaagg cgagttacat gatccccat gttgtgcaaa aaagcggtta 6480
410 gctccttcgg tcctccgacg gttgtcagaa gtaagttggc cgcagtgtta tcaactcatg 6540
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412 ctggtgagta ctcaaccaag tcattctgag aatagtgtat gcggcgaccg agttgctctt 6660
413 gcccgcgctc aatacgggat aataccgcgc cacatagcag aactttaaaa gtgctcatca 6720
414 ttggaaaacg ttcttcgggg cgaaaactct caaggatctt accgctgttg agatccagtt 6780
415 cgatgtaacc cactcgtgca cccaactgat cttcagcatc ttttactttc accagcgttt 6840
416 ctgggtgagc aaaaacagga aggcaaaatg ccgcaaaaaa gggaataagg gcgacacgga 6900
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419 gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa 7080
420 cctataaaaa taggcgtatc acgaggccct ttcgtctcgc gcgtttcggg gatgacggtg 7140
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422 ggagcagaca agcccgtcag ggcgcgtcag cgggtgttgg cgggtgtcgg ggctggctta 7260
423 actatgcggc atcagagcag attgtactga gagtgcacca tatgcggtgt gaaataccgc 7320
424 acagatgcgt aaggagaaaa tacgcacatc ggcgccattc gccattcagg ctgcgcaact 7380
425 gttgggaagg gcgatcgggt cgggcctctt cgctattacg ccagctggcg aaaggggat 7440
426 gtgctgcaag gcgattaagt tgggtaacgc cagggttttc ccagtcacga cgttgtaaaa 7500
427 cgacggccag tgaatttcga cctgcagtcg acttttttta tatatacagg aggccgag 7558

```

## VARIABLE LOCATION SUMMARY

DATE: 06/25/2002

PATENT APPLICATION: US/09/957,458

TIME: 10:04:37

Input Set : A:\P66567US0-seqlist.txt

Output Set: N:\CRF3\06252002\I957458.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of &lt;220&gt; to &lt;223&gt; is MANDATORY if n's or Xaa's are present.

in &lt;220&gt; to &lt;223&gt; section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:1; N Pos. 39,40,41,87,650,657,679,723,762,764,792,834,858,863,874,880  
Seq#:1; N Pos. 891,904,918,927,929,935,944,954,959,967,968,969,972,994,1003  
Seq#:1; N Pos. 1012,1026,1027,1038,1040,1041,1047,1050,1066,1068,1070,1076  
Seq#:1; N Pos. 1104,1114,1115,1117,1120,1123,1126,1133,1138,1149,1153,1169  
Seq#:1; N Pos. 1170,1171,1172,1173,1174,1664,1665,1666,1667,1668  
Seq#:3; N Pos. 35,36,82,645,652,674,718,757,759,787,829,853,858,869,875,886  
Seq#:3; N Pos. 899,913,922,924,930,939,949,954,962,963,964,967,989,998,1007  
Seq#:3; N Pos. 1021,1022,1033,1035,1036,1042,1045,1061,1063,1065,1071,1099  
Seq#:3; N Pos. 1109,1110,1112,1115,1118,1121,1128,1133,1144,1148,1164,1165  
Seq#:3; N Pos. 1166,1167,1168,1169,1659,1660,1661,1662,1663  
Seq#:6; N Pos. 466,467,468,469,470,471,472,473,474,475,476,2280,2281,2282  
Seq#:6; N Pos. 2283,2284,2285,2286,2287,2288,2289,2290

## VERIFICATION SUMMARY

DATE: 06/25/2002

PATENT APPLICATION: US/09/957,458

TIME: 10:04:37

Input Set : A:\P66567US0-seqlist.txt

Output Set: N:\CRF3\06252002\I957458.raw

L:12 M:271 C: Current Filing Date differs; Replaced Current Filing Date  
L:28 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1  
M:340 Repeated in SeqNo=1  
L:302 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3  
M:340 Repeated in SeqNo=3  
L:717 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6  
L:717 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6  
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:420  
L:747 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6  
L:747 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6  
L:747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:2220  
L:748 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6  
L:748 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6  
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:2280